

In the Claims:

1. (Original) Apparatus for the stabilization of the engine inlet flow in engine static tests, that is used for the improvement of the engine inlet flow at the inlet of an engine inlet or intake (1) in engine static tests, consisting of an air-permeable element (4) which, in an end position, is arranged situated near an engine housing (2) and partially enclosing the latter, characterized in that the air-permeable element (4) is formed with a first air-permeable embodied planar element part (6), which is arranged under the engine housing (2), which is positioned along a horizontal engine housing axis (8) and parallel to a planar ground (7) in the vertical spacing distance (a), on the surfacial rim side on the longitudinal edges of which, the longitudinal edges being situated along the engine housing axis (8), there are arranged, laterally downstream of the longitudinal edges, further air-permeable embodied planar element parts (9 to 12), that are embodied tiltable or foldable out of an existing horizontal orientation to the engine housing (2).

2. (Original) Apparatus according to claim 1, characterized in that a second element part (9) and a third element part (10) are rotatably movably supported and mechanically secured on the longitudinal edge side to the first element

part (6) on a first longitudinal edge and on a second longitudinal edge respectively.

3. (Original) Apparatus according to claim 2, characterized in that a fourth element part (11) is arranged situated next to the second element part (9) on a third longitudinal edge of the latter, and a fifth element part (12) is arranged situated next to the third element part (10) on a fourth longitudinal edge of the latter, which are rotatably movably supported and mechanically secured on the longitudinal edge side.

4. (Original) Apparatus according to claim 1, characterized in that the air-permeable element (4), which is integrated of the first element part (6) and the further element parts (9 to 12), is initially set onto a planar configured ground (7) (in horizontal orientation), to which a lifting and folding unit is positioned below the ground overlay, which is installed ground-sunken, with the lifting mechanism of which the horizontally situated element parts (4, 9 to 12) can be vertically lifted to an intermediate position (4a) located at a vertical spacing distance (a), which position is located below the engine housing (2) and situated near the latter, of which the ground-contacting horizontal orientation is maintained unchanged.

5. (Original) Apparatus according to claim 4, characterized in that a ground region is cut or recessed out of the ground

(7), to which a ground boundary (5) is bordered or framed in on the ground rim side of the recess, which ground boundary is fitted or adapted to the integrated (from several element parts 6, 9 to 12) form of the air-permeable element (4), within which the air-permeable element (4) is arranged in a planar manner, of which the non-ground-contacting surface region is arranged flush with a ground-opposite side region (14) of the ground boundary (5) or approximately flush at least with the ground-surface of the ground (7).

Claims 6 to 8 (Canceled).

9. (Original) Apparatus according to claim 1, characterized in that the first element part (6) is embodied parallelepiped or cube shaped, of which the base and top surface is configured square or rectangular shaped.

10. (Original) Apparatus according to claim 1, characterized in that the further element parts (9 to 12) are embodied variously, preferably parallelepiped or cube shaped, or uniformly only square or cube shaped, of which the base or top surface is configured square or rectangular shaped.

11. (Original) Apparatus according to claim 10, characterized in that the first element part (6) and the further element parts (9 to 12) are embodied uniformly long along the engine housing axis (8).

Claims 12 to 18 (Canceled).

1 19. (New) Apparatus according to claim 4, characterized in that  
2 a folding mechanism is integrated in the lifting and  
3 folding unit, with which folding mechanism the further  
4 element parts (9 to 12), which are embodied to be foldable  
5 facing toward the first element part (6), can be moved out  
6 of the intermediate position (4a) thereof into an end  
7 setting, which is corresponding to various different end  
8 positions of the air-permeable element (4), preferably an  
9 end position of the air-permeable element (4) located near  
10 the engine housing (2).

1 20. (New) Apparatus according to claim 19, characterized in  
2 that the end setting of the individual further element  
3 parts (9 to 12) is different, to the extent that a) the  
4 second and the third element part (9, 10) is angled onto  
5 the first element part (6) on the edge rim side and the  
6 second and the fourth element part (9, 11) as well as the  
7 third and the fifth element part (10, 12) are arranged  
8 lying next to one another and not angled relative to one  
9 another as well as aligned flush in a straight line,  
10 whereby these flush aligned element parts (9 to 12) can be  
11 moved out of the intermediate position (4a) into a second  
12 end setting (4b) with the folding mechanism of the lifting  
13 and folding unit, or b) the second and the third element  
14 part (9, 10) is angled onto the first element part (6) on  
15 the edge rim side and the fourth element part (11) is

16 angled away from the second element part (9) as well as the  
17 fifth element part (12) angled away from the third element  
18 part (10), to such an extent that the fourth and the fifth  
19 element part (11, 12) is arranged perpendicularly to the  
20 first element part (6), whereby the third and fourth  
21 element part (10, 11) can be moved out of a position  
22 corresponding to the second end setting (4a) into a third  
23 end setting (4c) with the folding mechanism of the lifting  
24 and folding unit, c) none of the element parts (9 to 12) is  
25 angled onto the first element part (6) so that the  
26 intermediate position (4a) corresponding to the horizontal  
27 arrangement of all element parts (6, 9 to 12) coincides  
28 with a first end setting.

1 21. (New) Apparatus according to claim 20, characterized in  
2 that the length of the fourth and of the fifth  
3 perpendicularly arranged element part (11, 12) is embodied  
4 with different length as considered relative to one  
5 another.

1 22. (New) Apparatus according to claim 19, characterized in  
2 that, a vertical lifting of all element parts (6, 9 to 12)  
3 of the air-permeable element (4) is realized with the  
4 lifting mechanism, and additionally the folding of the  
5 further element parts (9 to 12) is realized with the  
6 folding mechanism during the lifting process.

1    **23.**   (New) Apparatus according to claim 5, characterized in that  
2           a taxiway covering (13) is applied onto the surface of the  
3           ground (7), from which taxiway covering a covering region  
4           that is arranged congruent to the recessed ground region is  
5           cut out or recessed, which is adapted or fitted to the  
6           integrated (of several element parts 6, 9 to 12) form of  
7           the air-permeable element (4), which is arranged with the  
8           non-ground-contacting surface substantially flushly with  
9           the surface of the taxiway covering (13).

1    **24.**   (New) Apparatus according to claim 23, characterized in  
2           that the first element part (6) and the further element  
3           parts (9 to 12) of the air-permeable element (4) that is  
4           ground-contacting or arranged within the ground boundary  
5           (5) is embodied in such a manner that it is able to be  
6           rolled over and capable of being rolled over by a land  
7           vehicle or a ground-contacting air vehicle, without being  
8           damaged.

1    **25.**   (New) Apparatus according to claim 24, characterized in  
2           that the material of the element parts (6, 9 to 12) is  
3           embodied pressure and weather resistant as well as  
4           substantially light in weight.

1    **26.**   (New) Apparatus according to claim 25, characterized in  
2           that the material is metallic or synthetic plastic-like or  
3           a material consisting of both components.

1 27. (New) Apparatus according to claim 26, characterized in  
2 that the material is a synthetic plastic that is filled  
3 with metal particles or other substances suitable for the  
4 purpose, which are useful to the material strength.

1 28. (New) Apparatus according to claim 26, characterized in  
2 that the element parts (6, 9 to 12) are constructed of a  
3 metal core, a synthetic plastic surrounding the latter,  
4 which is synthetic plastic coats at least the metal core.

[REMARKS FOLLOW ON NEXT PAGE]